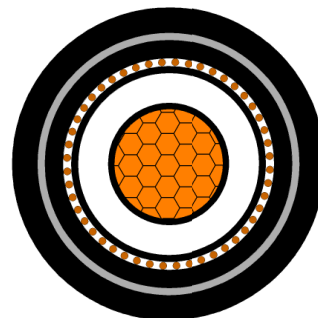




1C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, Anti-termite



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 2 Plain Annealed Copper
Conductor Screen:	Semi-conductive Compound
Insulation:	XLPE
Insulation Screen:	Semi-conductive Compound
Metallic Screen:	Plain Annealed Copper Wire
Bedding:	PVC 5V-90
Anti-termite Jacket:	Nylon
Sheath:	PVC 5V-90

Core Identification

Natural

Sheath Colour

Black

Technical Data

Voltage Rating:	6.35/11kV
Operating Temperature:	-25°C to +90°C
Short Circuit Temperature:	250°C for 5 sec

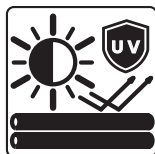
Standards Compliance

AS/NZS 1429.1	AS/NZS 3808
AS/NZS 1125	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

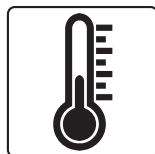
Characteristics



FLAME RETARDANT



UV STABILISED



-25°C ~ +90°C



TERMITE RESISTANT



GREEN STAR

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1C XLPE Insulated Medium Voltage Cables 6.35/11kV, Cu, Anti-termite

Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/m)
					During Installation	After Installation	
*SMMV11C3X1C25NY	25	5.95	3.4	25.1	828	552	1.0
*SMMV11C5X1C35NY	35	7.04	3.4	26.1	861	574	1.2
*SMMV11C7X1C50NY	50	8.30	3.4	27.4	903	602	1.6
*SMMV11C10X1C70NY	70	9.95	3.4	30.0	990	660	2.0
*SMMV11C10X1C95NY	95	11.60	3.4	31.8	1050	700	2.3
*SMMV11C10X1C120NY	120	13.03	3.4	32.9	1086	724	2.6
*SMMV11C10X1C150NY	150	14.57	3.4	34.7	1146	764	3.0
*SMMV11C10X1C185NY	185	16.18	3.4	36.3	1197	798	3.4
*SMMV11C10X1C240NY	240	18.43	3.4	38.7	1278	852	4.0
*SMMV11C10X1C300NY	300	20.61	3.4	41.1	1356	904	4.8
*SMMV11C10X1C400NY	400	23.79	3.4	44.9	1482	988	5.8
*SMMV11C10X1C500NY	500	27.20	3.4	48.5	1602	1068	7.0
*SMMV11C10X1C630NY	630	30.60	3.4	52.1	1689	1126	8.1

*These cables are non-stocked items subject to lead times.

Cond. Size (mm ²)	Max. D.C. Resistance of cond. at 20°C (Ω/km)	A.C. Resistance of cond. at 90°C, 50Hz (Ω/km)	Operating Induct. (mH/km)	Mutual Capa. (μF/km)	Fault Current Rating (kA/s)		+Current-carrying capacity (A)			
					Cond.	Screen	In Air Touching	In Air Enclosed	In Ground	In ground Enclosed
25	0.727	0.927	0.504	0.213	3.6	3.6	140	107	150	119
35	0.524	0.668	0.481	0.234	5.0	5.0	174	128	179	144
50	0.387	0.494	0.458	0.261	7.2	7.2	205	154	210	169
70	0.268	0.342	0.439	0.293	10.0	10.1	256	190	256	210
95	0.193	0.247	0.420	0.326	13.6	10.1	308	226	302	246
120	0.153	0.196	0.403	0.357	17.2	10.1	359	261	343	287
150	0.124	0.159	0.391	0.390	21.5	10.1	405	297	384	318
185	0.0991	0.1276	0.381	0.421	26.5	10.1	461	333	431	359
240	0.0754	0.0979	0.368	0.468	34.3	10.1	538	384	497	415
300	0.0601	0.0789	0.359	0.511	42.9	10.1	615	451	554	477
400	0.0470	0.0629	0.349	0.568	57.2	10.1	707	513	620	533
500	0.0366	0.0505	0.341	0.654	71.5	10.1	800	574	690	596
630	0.0283	0.0404	0.332	0.721	90.1	10.1	908	640	770	653

*Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.8m and soil thermal resistivity of 1.2K.m/W.

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